

PRODUCT CHARACTERISTICS

Multi-purpose, odour free, water-based epoxy coating with exceptional chemical resistance. Specifically designed for internal and external of buildings, tunnels, subways, bulkheads, engine rooms, etc.
Offers low to high gloss finish with light reflective properties and fire retardant characteristics.
Safe, user friendly and adaptable systems with very good UV resistance.
Suitable for application in environments where solvents would be hazardous or have a detrimental affect upon the operating process or products.
The coating can be applied to concrete, metal, wood, stone and ceramic surfaces specially suitable as a topcoat/sealer for fire protection and cementitious substrates.
Recommended for civil engineering, public utilities, food processing, clean-rooms and marine applications.

PRODUCT DESCRIPTION

Two pack water-based epoxy coating.

PRODUCT INFORMATION

Colour:	14 standard colours (other colours available on request).
Solids content (w/w%):	60 ± 1%
Volume solids (v/v%):	51 ± 1%
Mixed density:	1.25 ± 0.05%
Mix ratio:	Mix part A (resin RM 500LR) and part B (hardener HQ 500LR) in proportionate weights as supplied.
Typical thickness:	82microns dft from 160 microns WFT.
Theoretical coverage:	6.25m ² /ltr approx @ 160 microns WFT. (Dependent on surface roughness, porosity and complexity of structure).
Pack sizes:	5 and 20 ltrs

APPLICATION DATA

Method:	Brush, lambswool roller (preferred method of application) and spray.		
Thinner:	Clean water (max 10% by volume) for spraying if required.		
Cleaner:	Clean water.		
Pot life:	2 - 3 hrs @ 20°C		
Over-coating interval:	Min: 4 - 8 hrs	(depending on temperature)	
	Max: Unlimited.		
Drying time @ 20°C:	<u>Touch Dry</u> 3 - 4 hrs	<u>Hard Dry</u> 4 - 8 hrs	<u>Full Cure</u> 4 - 7 days

SURFACE PREPARATION

All surfaces must be free from loose or flaking paint and thoroughly degreased.
Concrete surface should be abrasive blasted or acid etched to ensure all laitance is removed (Chemco cleaner S80 is suitable).
Steel substrates should ideally be blasted to minimum Sa 2½.
For areas that cannot be blasted, the surface should be free of loose rust and treated with a suitable product from the Chemco Rust-fix™ range.
For further information refer to application instruction or consult Chemco sales and technical department.

LIMITATIONS

Pot life:	Vigilant care and attention to pot life is required during application.
Mixing:	If gelling has started, do not apply. Part A should be added to container B and mixed. Mix thoroughly using a mechanical mixer to achieve an even consistency.

ENVIRONMENTAL CONDITIONS

Do **NOT** apply coating at temperatures below 10°C. Ideal conditions when coating may be applied are: -

Temperature:	10 - 30°C
	Relative humidity < 70%
	Efficient air supply or good ventilation is required for satisfactory cure.

SAFETY PRECAUTIONS

It is the policy of CHEMCO INTERNATIONAL to ensure that its products are handled and applied by professionally approved and skilled applicators. Application shall be carried out in accordance with instructions contained in this data sheet and referenced to CHEMCO INTERNATIONAL TECHNICAL SPECIFICATION MANUAL. CHEMCO INTERNATIONAL management are intent on ensuring all work is carried out in accordance with company HEALTH & SAFETY procedures and all materials are handled with due care to COSHH regulations and instructions.

STORAGE

Store in cool, dry conditions (not less than 4°C or above 20°C).
Keep away from direct heat source and sunlight.
When not using the material always replace the lid on the container.

SHELF LIFE

At least 12 months when stored in sealed containers at temperatures of not less than 4°C or above 20°C.
At temperatures above, refer to manufacturer for advice.

DISCLAIMER: The information contained herein is to the best of our knowledge accurate and current and is given in good faith without warranty. Users are deemed to have satisfied themselves independently as to the suitability of our products for their particular purpose. In no event shall Chemco International be liable for consequent or incidental damages.

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